

Title (en)
METHOD OF REMOVING PHOSPHORUS IMPURITIES FROM YELLOWCAKE

Publication
EP 0054014 B1 19850410 (EN)

Application
EP 81890188 A 19811113

Priority
US 21006380 A 19801124

Abstract (en)
[origin: EP0054014A1] Phosphorus impurities are removed from yellowcake by dissolving it in hydrochloric or sulfuric acid to a U3O8 assay of at least 150 g/l at a pH of 2; precipitating uranium peroxide with hydrogen peroxide while keeping the pH between 2.2 and 2.6 and recovering the uranium peroxide from the phosphorus impurities remaining in solution.

IPC 1-7
C01G 43/01; **C22B 60/02**

IPC 8 full level
C01B 15/047 (2006.01); **C01G 43/01** (2006.01); **C22B 60/02** (2006.01)

CPC (source: EP US)
C01B 15/0475 (2013.01 - EP US); **C01G 43/01** (2013.01 - EP US); **C22B 60/0278** (2013.01 - EP US); **C01P 2006/80** (2013.01 - EP US)

Cited by
EP0491635A1; FR2670945A1; US5391347A; FR2969659A1; GB2502204A; AU2011347672B2; EA024219B1; GB2502204B; WO2008101296A1; US9045350B2; WO2012084740A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0054014 A1 19820616; **EP 0054014 B1 19850410**; AT E12621 T1 19850415; AU 542261 B2 19850214; AU 7776581 A 19820603; CA 1181242 A 19850122; DE 3169880 D1 19850515; ES 507366 A0 19861216; ES 8702502 A1 19861216; JP S57118033 A 19820722; JP S5925728 B2 19840620; US T102906 I4 19830405; ZA 818165 B 19830126

DOCDB simple family (application)
EP 81890188 A 19811113; AT 81890188 T 19811113; AU 7776581 A 19811123; CA 389419 A 19811104; DE 3169880 T 19811113; ES 507366 A 19811123; JP 18555081 A 19811120; US 21006380 A 19801124; ZA 818165 A 19811124